

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2005/000221

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01B9/02 G01N29/24 G02B26/00 G01N29/04 G01N29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N G01B G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 633 384 B1 (DRAKE JR THOMAS E ET AL) 14 October 2003 (2003-10-14) cited in the application column 3, line 4 - line 20	1,6,8,9, 22,24
X	US 5 137 361 A (HEON RENE ET AL) 11 August 1992 (1992-08-11) cited in the application column 1, line 26 - line 36 column 2, line 15 - line 27; figures	1,22
X	US 2003/029243 A1 (DRAKE THOMAS E) 13 February 2003 (2003-02-13) paragraphs '0012!, '0027! - '0035!, '0047!, '0048!; figure 2 ----- -/--	1,22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

28 July 2005

Date of mailing of the international search report

23.08.05

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/045130 A1 (WOOH SHI-CHANG) 29 November 2001 (2001-11-29) paragraphs '0018!', '0019!	1,22
A	SHAN Q ET AL: "A CONJUGATE OPTICAL CONFOCAL FABRY-PEROT INTERFEROMETER FOR ENHANCED ULTRASOUND DETECTION" MEASUREMENT SCIENCE AND TECHNOLOGY, IOP PUBLISHING, BRISTOL, GB, vol. 6, no. 7, 1 July 1995 (1995-07-01), pages 921-928, XP000521537 ISSN: 0957-0233 cited in the application page 925, right-hand column, line 10 - line 15; figure 6 page 927, paragraph 4	1,22
X	DE 40 24 977 A1 (LEONHARDT, KLAUS, PROF. DR., 7257 DITZINGEN, DE) 13 February 1992 (1992-02-13)	12-14, 30-32
A	column 2, line 6 - column 3, line 18; figure 1	15-21
A	EP 0 339 625 A (CANADIAN PATENTS AND DEVELOPMENT LIMITED SOCIETE CANADIENNE DES BREVET) 2 November 1989 (1989-11-02) column 4, line 48 - column 5, line 20; figures column 7, line 47 - column 8, line 20	12-21, 30-32
A	US 4 260 271 A (KONDUR, JR. ET AL) 7 April 1981 (1981-04-07) column 3, line 17 - line 35 column 4, line 4 - column 7, line 65; figures 2-6	12-21, 30-32

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11,22-29

Method and device for detecting a property of an object in which the output signal is generated as a ratio of a signal derived from the interferometric reflection and transmission signals

2. claims: 12-21,30-32

Method and apparatus for controlling the resonant frequency of an optical interferometer

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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